

Sheet 1 of 3

Form 1449\*

Atty. Docket No.: 702.307

Serial No. 10/718,774

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Applicant: Michael Childs et al.

(Use several sheets if necessary)

Filing Date: 11-21-03

Group: 3661

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>mz</i>	5,953,722	09/14/1999	Lampert, D., et al.	707	100	09/05/97
	6,121,314	09/19/2000	Richter, F., et al.	514	481	11/10/99
	6,317,684	11/13/2001	Roeseler, A., et al.	701	202	12/22/99
	6,317,687	11/13/2001	Morimoto, K., et al.	701	211	10/05/92
	6,321,158	11/20/2001	DeLorma, D.M., et al.	701	201	08/31/98

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes / No
------------------	-----------------	------	---------	-------	----------	----------------------

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mz</i>	"An optimal pathfinder for vehicles in real-world digital terrain maps", <a href="http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html">http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html</a> , 11 pages, (1999)					
	"Informed Search Methods", <u>Artificial Intelligence, A Modern Approach</u> , Prentice Hall, Inc., pp. 92-115, (1995)					
	"Real-Time Vehicle Routing in Dynamic and Stochastic Urban Traffic Networks", <a href="http://www.gpu.srv.ualberta.ca/lfu/research.htm">http://www.gpu.srv.ualberta.ca/lfu/research.htm</a> , pp. 1-3, (1997)					
	Ahuja, R., et al., "Faster Algorithms for the Shortest Path Problem", <u>Journal of the Association for Computing Machinery</u> , 37(2), pp. 213-223, (1990)					
	Chung, V., et al., "An Efficient Implementation of Parallel A*", <u>CFPAR</u> , Montreal, Canada, pp. 153-167, (1994)					
	Fredman, M., et al., "Fibonacci heaps and their uses in improved network optimization algorithms", <u>Journal of the ACM</u> , 34(3), 2 pages, (1987)					
	Fu, L., "Heuristic Shortest Path Algorithms and their Potential IVES Applications", <u>Proceedings of the Fourth University of Alberta - University of Calgary, Joint Graduate Student Symposium in Transportation Engineering</u> , pp. 83-109, (1995)					
	Ikeda, T., et al., "A Fast Algorithm for Finding Better Routes by AI Search Techniques", <u>Vehicle Navigation and Information Systems Conference Proceedings</u> , pp. 291-296, (1994)					
<i>mz</i>	Kaindl, H., et al., "Memory-Bounded Bidirectional Search", <u>Proceedings of the 12th National Conference on Art</u> , AAAI Press, Seattle, WA, pp. 1359-1364, (1994)					

Examiner *mz*Date Considered *6/7/04*

\*Substitute Disclosure Statement Form (F10-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 3

Form 1449*	Atty. Docket No.: 702.307	Serial No. 10/718,774
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Michael Childs et al.	
	Filing Date: 11-21-03	Group: 3661

## OTHER DOCUMENTS

\*\*Examiner  
Initial

(Including Author, Title, Date, Pertinent Pages, Etc.)

MZ	Laporte, G., "The Vehicle Routing Problem: An overview of exact and approximate algorithms", <u>European Journal of Operational Research</u> , 59, pp. 345-358, (1992)
	Myers, B., "Data Structures for Best-First Search", <a href="http://www4.ncsu.edu/jbmyers/dsai.htm">http://www4.ncsu.edu/jbmyers/dsai.htm</a> , pp. 1-6, (1997)
	Ronngren, R., et al., "Parallel and Sequential Priority Queue Algorithms", <u>ACM Transactions on Modeling and Computer Simulation</u> , 7(2), pp. 168-172, 198, 19, (1997)
	Stout, B., "Smart Moves: Intelligent Pathfinding", <u>Gamasutra</u> , <a href="http://www.gamasutra.com/features/programming/080197/pathfinding.htm">http://www.gamasutra.com/features/programming/080197/pathfinding.htm</a> , pp. 1-11, (1997)
	Wai, L., et al., "Comparative Study of Shortest Path Algorithm for Transport Network", <u>USRP Report 2</u> , <a href="http://www.comp.nus.edu.sg/leonghoe/USRPreport-txt.html">http://www.comp.nus.edu.sg/leonghoe/USRPreport-txt.html</a> , pp. 1-10, (1999)
	Zhan, F.B., "Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures", <u>Journal of Geographic Information and Decision Analysis</u> , 1(1), <a href="http://www.geog.uwo.ca/gimds/journal/voll.1/Zhan/Zhan.htm">http://www.geog.uwo.ca/gimds/journal/voll.1/Zhan/Zhan.htm</a> , 11 pages, (1997)
M	Zhao, Y., et al., "An Adaptive Route-Guidance Algorithm for Intelligent Vehicle Highway Systems", <u>American Control Conference, Boston, MA</u> , Department of Electrical Engineering and Computer Science, The University of Michigan, pp. 2568-2573, (1991)

Examiner

Date Considered

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial or citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 3 of 3

PTO-1449 (Modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No.: 702.307	Serial Number: 10/718,774
	Applicant: Michael Childs et al.	
	Filing Date: 11-21-03	Group: 3661

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
<i>mm</i>	6,259,988	07-2001	Galkowski et al.	701	202	
<i>mm</i>	6,477,526	11-2002	Hayashi et al.	707	4	
<i>mm</i>	6,285,951	09-2001	Gaskins et al.	701	209	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>mm</i>	JP 10-132594	05-1998	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

<i>mm</i>	Oberhauser et al.; Fast data structures for shortest path routing: a comparative evaluation; 1995 IEEE International Conference on Gateway to Globalization; June 1995; vol. 3, pgs. 1597-1601

EXAMINER <i>mj</i>	DATE CONSIDERED <i>6/7/04</i>
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	